

Article 6: Electrical Regulations

(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

Division 1: Adoption and Applicability of the Electrical Regulations

(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

§146.0101 Purpose of the Electrical Regulations

The purpose of these regulations is to provide safeguards to reduce hazards to life and property which could otherwise result from electrical installations.

(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

§146.0102 When the Electrical Regulations Apply

(a) This article applies to all electrical installations under the jurisdiction of the City.

(b) Administration and enforcement of the electrical regulations are governed by the applicable provisions of Chapters 11 and 12.

(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

§146.0103 Interpretation of the Electrical Regulations

The language used in this article and in the 1998 California Electrical Code which is made a part of this article by reference, is intended to convey the common and accepted meaning familiar to the electrical industry.

The Building Official, in accordance with Section 129.0104, is authorized to determine the intent and meaning of any provision of this article . The Building Official may utilize other codes, guides, or standards in making such determinations. These may include the National Fire and Life Safety Codes, published by NFPA; Standards for Safety, published by Underwriters Laboratories, Inc. (UL); American National Standards, published by the American National Standards Institute (ANSI); Manufacturing Standards, published by the National Electrical Manufacturers Association (NEMA); National Electrical Safety Code, published by the Institute of Electrical and Electronic Engineers (IEEE); General Order 95 and 128, published by the California Public Utilities Commission; the Electrical Service Guide, published by San Diego Gas and Electric Company; the San Diego Area Electrical Newsletters, published by the San Diego Chapter of the International Conference of Building Officials; and other references that the Building Official may deem appropriate.

Determinations shall be made in writing and a record shall be kept that is open to the public.

(Added 12-9-1997 by O-18451 N.S.; amended 12-6-1999 by O-18728 N.S.; effective 1-1-2000.)

§146.0104 Adoption of the 1998 California Electrical Code

The 1998 California Electrical Code published by the California Building Standards Commission and as amended by the California Department of Housing and Community Development [HCD]; the Division of the State Architect-Access Compliance [DSA/AC]; the State Office of Statewide Planning and Development [OSHPD3]; and the State Fire Marshal [SFM] (1998 California Electrical Code) is adopted by reference and made a part of this article as if fully set forth, except as otherwise provided in this article. The regulations so referenced are the standard for electrical installations regulated by this article. A copy of the 1998 California Electrical Code is on file in the office of the City Clerk as Document No. 769837.

(Added 12-9-1997 by O-18451 N.S.; amended 12-6-1999 by O-18728 N.S.; effective 1-1-2000.)

§146.0105 Portions of the 1998 California Electrical Code Not Adopted

The following sections or sub-sections of the 1998 California Electrical Code are not adopted by the City of San Diego.

- (a) Article 230, Services, Section 43, Wiring Methods for 600 Volts, Nominal or Less, numbers (1) "Open Wiring on Insulators" and (5) "Service-entrance Cables" are not adopted.
- (b) Article 230, Services, Sections 50, 51, and 52 relating to protection and mounting of open wiring on insulators and service-entrance conductors are not adopted.

(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

§146.0106 Sub-sections of the 1998 California Electrical Code That Have Been Adopted with Modifications

- (a) Article 230, F., Service Equipment-Disconnecting Means, Section 70, General, Sub-Section (a) Location is adopted with modifications as follows:

- (a) Location of Service Disconnects

- (1) A means to disconnect service shall be installed in a readily accessible location either outside or inside of the building served.
 - (2) Any service disconnect installed outside must be on, or immediately adjacent to, the building served.
 - (3) Any service disconnect installed inside must be at, or immediately adjacent to, the point where the service conductors enter the building.
 - (4) Except by special permission, the length of service conductors inside the building may not exceed 10 feet.
- (b) Article 384, Switchboards and Panelboards, Section 3, Support and Arrangement of Busbars and Conductors, sub-section (f) Phase Arrangement is adopted with modifications as follows:

(f) Phase Arrangement

- (1) The phase arrangement on three-phase buses shall be A, B, C, from front to back, top to bottom, or left to right, as viewed from the front of the switchboard or panelboard. The C phase shall be that phase having the higher voltage to ground on three-phase (3- phase), four-wire (4-wire) delta connected systems . Other busbar arrangements may be permitted for additions to existing installations.

(Added 12-9-1997 by O-18451 N.S.; effective 1-1-2000.)

